

Patent claims

1. A computer-aided method for parallel calculation of the operating point of electrical circuits,
- 5 - in which the circuit is partitioned into a number of partitions in a first step, characterized in that
- the charging method is used for the parallel calculation of the individual partitions.
- 10
2. The computer-aided method as claimed in claim 1, characterized in that a dynamic element (C, L) is provided and at least one node of the circuit.
- 15
3. The computer-aided method as claimed in claim 2, characterized in that a dynamic element (C, L) is provided at each node of the circuit.
- 20
4. The computer-aided method as claimed in claim 2 or 3, characterized in that each node of the circuit is connected by means of in each case one capacitance to in each case a predetermined value having in each case a potential so that an operating point of the modified circuit can be calculated.
- 25
5. The computer-aided method as claimed in claim 4, characterized in that a capacitance having the same value (C0) is provided at each node of a partition.
- 30
6. The computer-aided method as claimed in claim 4 or 5, characterized in that each node of a partition is connected to the same potential by means of a capacitance.

20220703 10009979

7. The computer-aided method as claimed in claim 4, characterized in that a capacitance having the same value (C0) is provided at each node of all partitions.
- 5 8. The computer-aided method as claimed in claim 4 or 7, characterized in that each node of all partitions is connected to the same potential by means of a capacitance.
9. The computer-aided method as claimed in one of claims 4 to
10 7, characterized in that the potential is connected to ground.
10. The computer-aided method as claimed in one of claims 4 to
15 8, characterized in that
- the operating point of the circuit is calculated in each case with a suitable step-by-step change in the value of (C) of the capacitance, and
 - this step is repeated until the values of the capacitances are almost zero.
- 20
11. A computer program product which can be loaded into a main memory of a computer system, with a software code for carrying out the method according to one of the preceding claims when the computer program product is running on a
25 computer system.
12. A data carrier with a computer program product as claimed in claim 11.

20220154660001

add 9/7